BRUHAT BANGLORE MAHANAGARA PALIKE
YALAHANKA ZONE, BANGLORE
MEASUREMENT SHEET
PRE-MEASUREMENT

Name of work: Package - 04 includes 7 Works 1. Improvements to Roads and Drains in BEL Layout, HMT Layout, Rajyagandhi Nagar (NTI), Thindlu and surrounding in ward No 09, 2. Improvements to Roads and Drains in Thindlu colony, Narasipura layout, Kempegowdnagara and surrounding area in ward No 09,3. Improvements to Roads and Drains in Muthuraya Swamy layout, Doddabomasandra, Nanjappa layout, Chamundeshwari Layout in Ward No 10, 4. Improvements to roads and drains at Amruthahalli main road,Improvements to Roads and Drains in Kuvempu Nagara, Singapura, Ramachandrapura and surrounding areas in ward no-11, 5. Improvements to roads and drains at Amruthahalli main road, Kariyanna layout and surrounding areas in ward no. 07, 6. Improvements to Roads and drains at bhadrappa layout and balaji layout and surrounding area in ward number - 08, 7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar and surrounding area in ward no 08

stimated Cost: Rs. 570.00 Lakhs

ob Code/Indent No: 007-19-000106, 008-19-000034, 008-19-000035, 009-19-000030, 010-19-000011, 011-19-000288

of Account : P3111, P3409

ame of Agency: Sri. B.B. Umesh, Contractor, # 385, Bettaulsur (P), Bangalore North Taluk – 562 157.

Ref: BMP/EE/BTP/WO/110/2019-20 Dated: 17.10.2019.

Date of Recording

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
1	**Removing and resetting footpath slab**								Sqm
	W No. 08								
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	LHS								
	Kannamma Temple Main Road								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 90.00 to 119.00 Mts	1.0	29.00			0.90		26.10	
	Ch: 119.00 to 149.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 149.00 to 179.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 179.00 to 209.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 209.00 to 239.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 239.00 to 269.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 269.00 to 287.80 Mts	1.0	18.80			0.90		16.92	
	RHS								
	Kannamma Temple Main Road								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 90.00 to 119.00 Mts	1.0	29.00			0.90		26.10	
	Ch: 119.00 to 149.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 149.00 to 179.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 179.00 to 209.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 209.00 to 239.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 239.00 to 269.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 269.00 to 287.80 Mts	1.0	18.80			0.90		16.92	
	LHS								
	13th Cross Lottegollahalli								
	Ch: 0.00 to 15.00 Mts	1.0	15.00			0.90		13.50	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.90		27.00	
	Ch: 90.00 to 118.00 Mts	1.0	28.00			0.90		25.20	

583.74

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Sl No	Description of item	No	L	B1	B2	Av B	D	Qty	Unit
	RHS								
	13th Cross Lottegollahalli								
	Ch 0.00 to 30.00 Mts	1.0	30.00			0.90		27.00	
	Ch 30.00 to 60.00 Mts	1.0	30.00			0.90		27.00	
	Ch 60.00 to 90.00 Mts	1.0	30.00			0.90		27.00	
	Ch 90.00 to 118.00 Mts	1.0	28.00			0.90		25.20	
	LHS								
	13th Cross Maruthinagara								
	Ch 0.00 to 30.00 Mts	1.0	30.00			0.90		27.00	
	Ch 30.00 to 60.00 Mts	1.0	30.00			0.90		27.00	
	Ch 60.00 to 90.00 Mts	1.0	30.00			0.90		27.00	
	Ch 90.00 to 109.20 Mts	1.0	19.20			0.90		17.28	
	RHS								
	13th Cross Maruthinagara								
	Ch 10.00 to 15.00 Mts	1.0	5.00			0.90		4.50	
	Ch 40.00 to 60.00 Mts	1.0	20.00			0.90		18.00	
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	LHS								
	Balaji Layout 8th main road (Indian Overseas bank)								
	Ch 60.00 to 90.00 Mts	1.0	30.00			0.90		27.00	
	Ch 120.00 to 135.00 Mts	1.0	15.00			0.90		13.50	
	RHS								
	Balaji Layout 8th main road (Indian Overseas bank)								
	Ch 0.00 to 30.00 Mts	1.0	30.00			0.90		27.00	
	Ch 30.00 to 60.00 Mts	1.0	30.00			0.90		27.00	
	Ch 60.00 to 90.00 Mts	1.0	30.00			0.90		27.00	
	Ch 90.00 to 120.00 Mts	1.0	30.00			0.90		27.00	
	Ch 120.00 to 140.00 Mts	1.0	20.00			0.90		18.00	
	LHS								
	Balaji Layout 2nd main road 8th cross								
	Ch 60.00 to 90.00 Mts	1.0	30.00			0.90		27.00	
	Ch 90.00 to 120.00 Mts	1.0	30.00			0.90		27.00	
	RHS								
	Balaji Layout 2nd main road 8th cross								
	Ch 60.00 to 90.00 Mts	1.0	30.00			0.90		27.00	
	Ch 90.00 to 120.00 Mts	1.0	30.00			0.90		27.00	
	Ch 120.00 to 150.00 Mts	1.0	30.00			0.90		27.00	
	LHS								
	Port House Apartment Road								
	Ch 10.00 to 30.00 Mts	1.0	20.00			0.90		18.00	
	Ch 30.00 to 50.00 Mts	1.0	20.00			0.90		18.00	
	Ch 60.00 to 80.00 Mts	1.0	20.00			0.90		18.00	
	Ch 90.00 to 120.00 Mts	1.0	20.00			0.90		18.00	
	Ch 120.00 to 130.00 Mts	1.0	10.00			0.90		9.00	
	RHS								
	Port House Apartment Road								
	Ch 15.00 to 30.00 Mts	1.0	15.00			0.90		13.50	
	Ch 40.00 to 60.00 Mts	1.0	20.00			0.90		18.00	
	Ch 60.00 to 80.00 Mts	1.0	20.00			0.90		18.00	
	Ch 100.00 to 120.00 Mts	1.0	10.00			0.90		9.00	
	Ch 120.00 to 135 Mts	1.0	15.00			0.90		13.50	
	LHS								
	Muneshwara Layout 8th Cross								
	0.00 to 15.00 Mts	1.0	15.00			0.90		13.50	
	30.00 to 60.00 Mts	1.0	30.00			0.90		27.00	

7.21.99

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d No. 08

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	60.00 to 90.00 Mts	1.0	30.00			0.90		27.00	
	90.00 to 120.00 Mts	1.0	30.00			0.90		27.00	
	120.00 to 150.30 Mts	1.0	30.00			0.90		27.00	
	150.00 to 180.00 Mts	1.0	30.00			0.90		27.00	
	180.00 to 185.00 Mts	1.0	5.00			0.90		4.50	
	RHS								
	Muneshwara Layout 8th Cross								
	0.00 to 15.00 Mts	1.0	15.00			0.90		13.50	
	30.00 to 60.00 Mts	1.0	30.00			0.90		27.00	
	60.00 to 90.00 Mts	1.0	30.00			0.90		27.00	
	90.00 to 120.00 Mts	1.0	30.00			0.90		27.00	
	120.00 to 150.30 Mts	1.0	30.00			0.90		27.00	
	150.00 to 180.00 Mts	1.0	30.00			0.90		27.00	
	180.00 to 185.00 Mts	1.0	5.00			0.90		4.50	
	LHS								
	Balaji Layout 3rd Cross								
	Ch: 0.00 to 15.00 Mts	1.0	15.00			0.90		13.50	
	Ch: 90.00 to 99.90 Mts	1.0	9.90			0.90		8.91	
	LHS								
	Balaji Layout 4th Cross								
	Ch: 0.00 to 10.00 Mts	1.0	10.00			0.90		9.00	
	LHS								
	Devi Nagar 5th cross								
	Ch: 0.00 to 15.00 Mts	1.0	15.00			0.90		13.50	
	RHS								
	Devi Nagar 5th cross								
	Ch: 20.00 to 30.00 Mts	1.0	10.00			0.90		9.00	
	Ch: 30.00 to 40.00 Mts	1.0	10.00			0.90	328.41	9.00	
	Total Qty							1634.13	Sqm

Assistant Engineer
Ward No. 08

Trans Consultants Pvt. Ltd. BBMP

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording:									
2	**Earth work excavation** by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.								Cum
	W No. 08								
	Road Cut Portion								
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	Kannamma Temple Main Road								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.65	0.30	14.85	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			1.63	0.30	14.63	14.67
	Ch: 60.00 to 90.00 Mts	1.0	30.00			1.63	0.30	14.63	14.67
	Ch: 90.00 to 119.00 Mts	1.0	29.00			1.63	0.30	14.14	14.18
	Ch: 119.00 to 149.00 Mts	1.0	30.00			1.65	0.30	14.85	
	Ch: 149.00 to 179.00 Mts	1.0	30.00			1.70	0.30	15.30	
	Ch: 179.00 to 209.00 Mts	1.0	30.00			1.73	0.30	15.53	15.57
	Ch: 209.00 to 239.00 Mts	1.0	30.00			1.68	0.30	15.08	15.12
	Ch: 239.00 to 269.00 Mts	1.0	30.00			1.68	0.30	15.08	15.12
	Ch: 269.00 to 287.80 Mts	1.0	18.80			1.70	0.30	9.59	
	13th Cross Lottegollahalli								143.92
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.60	0.30	14.40	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			1.58	0.30	14.18	14.22
	Ch: 60.00 to 90.00 Mts	1.0	30.00			1.58	0.30	14.18	14.22
	Ch: 90.00 to 118.00 Mts	1.0	28.00			1.53	0.30	12.81	12.85
	13th Cross Maruthinagara								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.63	0.30	14.63	14.67
	Ch: 30.00 to 60.00 Mts	1.0	30.00			1.60	0.30	14.40	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			1.58	0.30	14.18	14.22
	Ch: 90.00 to 109.20 Mts	1.0	19.20			1.60	0.30	9.22	
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								103.2
	Balaji Layout 8th main road (Indian Overseas bank)								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.55	0.30	13.95	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			1.53	0.30	13.73	13.77
	Ch: 60.00 to 90.00 Mts	1.0	30.00			1.53	0.30	13.73	13.77
	Ch: 90.00 to 120.00 Mts	1.0	30.00			1.58	0.30	14.18	14.22
	Ch: 120.00 to 150.00 Mts	1.0	30.00			1.63	0.30	14.63	14.67
	Ch: 150.00 to 178.00 Mts	1.0	28.00			1.58	0.30	13.23	13.27
	Balaji Layout 2nd main road 8th cross								83.65
	Ch: 0.00 to 30.00 Mts	1.0	30.00			6.20	0.30	55.80	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			6.00	0.30	54.00	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			5.48	0.30	49.28	49.32
	Ch: 90.00 to 120.00 Mts	1.0	30.00			4.88	0.30	43.88	43.92
	Ch: 120.00 to 150.00 Mts	1.0	30.00			4.90	0.30	44.10	
	Ch: 150.00 to 158.00 Mts	1.0	8.00			5.60	0.30	13.44	
	Port House Apartment Road								260.58
	Ch: 0.00 to 30.00 Mts	1.0	30.00			2.10	0.30	18.90	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			2.05	0.30	18.45	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			2.13	0.30	19.13	19.17
	Ch: 90.00 to 120.00 Mts	1.0	30.00			2.08	0.30	18.68	18.72
	Ch: 120.00 to 141.60 Mts	1.0	21.60			1.93	0.30	12.47	12.50
	Muneshwara Layout 8th Cross								87.74
	Ch: 0.00 to 30.00 Mts	1.0	30.00			2.58	0.30	23.18	23.22
	Ch: 30.00 to 60.00 Mts	1.0	30.00			2.63	0.30	23.63	23.67
	Ch: 60.00 to 90.00 Mts	1.0	30.00			2.73	0.30	24.53	24.57
	Ch: 90.00 to 120.00 Mts	1.0	30.00			2.70	0.30	24.30	
	Ch: 120.00 to 150.00 Mts	1.0	30.00			2.70	0.30	24.30	
	Ch: 150.00 to 178.30 Mts	1.0	28.30			2.70	0.30	22.92	142.98
									827.07

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Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	Balaji Layout 3rd Cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.10	0.30	9.90	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			1.13	0.30	10.13	10.17
	Ch: 60.00 to 90.00 Mts	1.0	30.00			1.13	0.30	10.13	10.17
	Ch: 90.00 to 99.90 Mts	1.0	9.90			1.10	0.30	3.27	
	Balaji Layout 4th Cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.15	0.30	10.35	
	Ch: 30.00 to 34.70 Mts	1.0	4.70			1.18	0.30	1.66	
	Devi Nagar 5th cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.10	0.30	9.90	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			1.10	0.30	9.90	
	Ch: 60.00 to 85.30 Mts	1.0	25.30			1.25	0.30	9.49	
								74.81	
	Drain Desilt								
	W No. 08								
	LHS								
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	Kannamma Temple Main Road								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 90.00 to 119.00 Mts	1.0	29.00			0.60	0.45	7.83	
	Ch: 119.00 to 149.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 149.00 to 179.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 179.00 to 209.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 209.00 to 239.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 239.00 to 269.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 269.00 to 287.80 Mts	1.0	18.80			0.60	0.45	5.08	
	RHS							77.71	
	Kannamma Temple Main Road								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 90.00 to 119.00 Mts	1.0	29.00			0.60	0.45	7.83	
	Ch: 119.00 to 149.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 149.00 to 179.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 179.00 to 209.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 209.00 to 239.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 239.00 to 269.00 Mts	1.0	30.00			0.60	0.45	8.10	
	Ch: 269.00 to 287.80 Mts	1.0	18.80			0.60	0.45	5.08	
	LHS							77.71	
	13th Cross Lottegollahalli								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 90.00 to 118.00 Mts	1.0	28.00			0.60	0.30	5.04	
	RHS							21.24	
	13th Cross Lottegollahalli								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 90.00 to 118.00 Mts	1.0	28.00			0.60	0.30	5.04	
	LHS							21.24	
	13th Cross Maruthinagara								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.40	7.20	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.40	7.20	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.60	0.40	7.20	
	Ch: 90.00 to 109.20 Mts	1.0	19.20			0.60	0.40	4.61	
								26.21	

Checked 29/10/25

Assistant Executive Engg
Kodigehalli Sub Divis
Yelahanka Zone, B.B.
Bangalore.

298.62

Scanned with CamScanner

Pre-Measurement 6

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	RHS								
	13th Cross Maruthinagara								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.40	7.20	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.40	7.20	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.60	0.40	7.20	
	Ch: 90.00 to 109.20 Mts	1.0	19.20			0.60	0.40	4.61	
								26.21	
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	LHS								
	Balaji Layout 8th main road (Indian Overseas bank)								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 90.00 to 120.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 120.00 to 150.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 150.00 to 155.00 Mts	1.0	5.00			0.60	0.30	0.90	
								27.9	
	RHS								
	Balaji Layout 8th main road (Indian Overseas bank)								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 90.00 to 120.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 120.00 to 150.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 150.00 to 155.00 Mts	1.0	5.00			0.60	0.30	0.90	
								27.9	
	LHS								
	Balaji Layout 2nd main road 8th cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 90.00 to 120.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 120.00 to 150.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 150.00 to 158.00 Mts	1.0	8.00			0.60	0.30	1.44	
								28.44	
	RHS								
	Balaji Layout 2nd main road 8th cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 90.00 to 120.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 120.00 to 150.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 150.00 to 158.00 Mts	1.0	8.00			0.60	0.30	1.44	
								28.44	
	LHS								
	Port House Apartment Road								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.50	9.00	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.50	9.00	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.60	0.50	9.00	
	Ch: 90.00 to 120.00 Mts	1.0	30.00			0.60	0.50	9.00	
	Ch: 120.00 to 141.60 Mts	1.0	21.60			0.60	0.50	6.48	
								42.48	
	RHS								
	Port House Apartment Road								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.50	9.00	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.50	9.00	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			0.60	0.50	9.00	
	Ch: 90.00 to 120.00 Mts	1.0	30.00			0.60	0.50	9.00	
	Ch: 120.00 to 141.60 Mts	1.0	21.60			0.60	0.50	6.48	
								42.48	
	LHS								
	Muneshwara Layout 8th Cross								

223.85

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Ward No. 08

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	0.00 to 4.00 Mts	1.0	4.00			0.60	0.30	0.72	
	4.00 to 15.30 Mts	1.0	11.30			0.60	0.30	2.03	
	15.30 to 45.30 Mts	1.0	30.00			0.60	0.30	5.40	
	45.30 to 58.30 Mts	1.0	13.00			0.60	0.30	2.34	
	58.30 to 90.30 Mts	1.0	32.00			0.60	0.30	5.76	
	90.30 to 120.30 Mts	1.0	30.00			0.60	0.30	5.40	
	120.30 to 150.30 Mts	1.0	30.00			0.60	0.30	5.40	
	150.30 to 182.30 Mts	1.0	32.00			0.60	0.30	5.76	
	182.30 to 185.30 Mts	1.0	7.00			0.60	0.30	1.26	
								34.07	
	RHS								
	Muneshwara Layout 8th Cross								
	0.00 to 4.00 Mts	1.0	4.00			0.60	0.30	0.72	
	4.00 to 15.30 Mts	1.0	11.30			0.60	0.30	2.03	
	15.30 to 45.30 Mts	1.0	30.00			0.60	0.30	5.40	
	45.30 to 58.30 Mts	1.0	13.00			0.60	0.30	2.34	
	58.30 to 90.30 Mts	1.0	32.00			0.60	0.30	5.76	
	90.30 to 120.30 Mts	1.0	30.00			0.60	0.30	5.40	
	120.30 to 150.30 Mts	1.0	30.00			0.60	0.30	5.40	
	150.30 to 182.30 Mts	1.0	32.00			0.60	0.30	5.76	
	182.30 to 185.30 Mts	1.0	7.00			0.60	0.30	1.26	
								34.07	
	LHS								
	Devi Nagar 5th cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 60.00 to 85.30 Mts	1.0	25.30			0.60	0.30	4.55	
								15.35	
	RHS								
	Devi Nagar 5th cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			0.60	0.30	5.40	
	Ch: 60.00 to 85.30 Mts	1.0	25.30			0.60	0.30	4.55	
	Total Qty							1447.53	Cum

1447.53

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Kodigehalli Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Scanned with CamScanner

8

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording									
3	Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications								Cum
	W No. 08								
	Road Cut portion								
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	Kannamma Temple Main Road								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.65	0.25	12.38	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			1.63	0.25	12.19	12.22
	Ch: 60.00 to 90.00 Mts	1.0	30.00			1.63	0.25	12.19	12.23
	Ch: 90.00 to 119.00 Mts	1.0	29.00			1.63	0.25	11.73	11.81
	Ch: 119.00 to 149.00 Mts	1.0	30.00			1.65	0.25	12.38	
	Ch: 149.00 to 179.00 Mts	1.0	30.00			1.70	0.25	12.75	
	Ch: 179.00 to 209.00 Mts	1.0	30.00			1.73	0.25	12.94	12.95
	Ch: 209.00 to 239.00 Mts	1.0	30.00			1.68	0.25	12.56	12.6
	Ch: 239.00 to 269.00 Mts	1.0	30.00			1.68	0.25	12.56	12.6
	Ch: 269.00 to 287.80 Mts	1.0	18.80			1.70	0.25	7.99	
	13th Cross Lottegollahalli								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.60	0.25	12.00	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			1.58	0.25	11.81	11.85
	Ch: 60.00 to 90.00 Mts	1.0	30.00			1.58	0.25	11.81	
	Ch: 90.00 to 116.00 Mts	1.0	28.00			1.53	0.25	10.68	10.71
	13th Cross Maruthinagara								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.63	0.25	12.19	12.22
	Ch: 30.00 to 60.00 Mts	1.0	30.00			1.60	0.25	12.00	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			1.58	0.25	11.85	
	Ch: 90.00 to 109.20 Mts	1.0	19.20			1.60	0.25	7.68	
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Balaji Layout 6th main road (Indian Overseas bank)								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.55	0.25	11.63	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			1.53	0.25	11.44	11.48
	Ch: 60.00 to 90.00 Mts	1.0	30.00			1.53	0.25	11.44	11.48
	Ch: 90.00 to 120.00 Mts	1.0	30.00			1.58	0.25	11.81	11.85
	Ch: 120.00 to 150.00 Mts	1.0	30.00			1.63	0.25	12.19	12.23
	Ch: 150.00 to 178.00 Mts	1.0	28.00			1.58	0.25	11.03	11.06
	Balaji Layout 2nd main road 8th cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			6.20	0.25	46.50	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			6.00	0.25	45.00	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			5.48	0.25	41.06	41.1
	Ch: 90.00 to 120.00 Mts	1.0	30.00			4.88	0.25	36.56	36.6
	Ch: 120.00 to 150.00 Mts	1.0	30.00			4.90	0.25	36.75	
	Ch: 150.00 to 158.00 Mts	1.0	8.00			5.60	0.25	11.20	
	Port House Apartment Road								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			2.10	0.25	15.75	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			2.05	0.25	15.38	
	Ch: 60.00 to 90.00 Mts	1.0	30.00			2.13	0.25	15.94	15.98
	Ch: 90.00 to 120.00 Mts	1.0	30.00			2.08	0.25	15.56	15.6
	Ch: 120.00 to 141.60 Mts	1.0	21.60			1.93	0.25	10.40	10.42
	Muneshwara Layout 8th Cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			2.58	0.23	17.77	17.8
	Ch: 30.00 to 60.00 Mts	1.0	30.00			2.63	0.25	19.69	19.72
	Ch: 60.00 to 90.00 Mts	1.0	30.00			2.73	0.25	20.44	20.48
	Ch: 90.00 to 120.00 Mts	1.0	30.00			2.70	0.25	20.25	
	Ch: 120.00 to 150.00 Mts	1.0	30.00			2.70	0.25	20.25	

668.58

Assistant Executive Engr
Kodigehalli Sub Divn
Yelahanka Zone, B.B
Bangalore.

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Ward No. 08

Pre-Measurement

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	Ch: 150.00 to 178.30 Mts	1.0	28.30			2.70	0.25	19.10	
	Balaji Layout 3rd Cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.10	0.25	8.25	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			1.13	0.25	8.44	8.48
	Ch: 60.00 to 90.00 Mts	1.0	30.00			1.13	0.25	8.44	8.48
	Ch: 90.00 to 99.90 Mts	1.0	9.90			1.10	0.25	2.72	
	Balaji Layout 4th Cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.15	0.25	8.63	
	Ch: 30.00 to 34.70 Mts	1.0	4.70			1.18	0.25	1.38	
	Devi Nagar 5th cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00			1.10	0.25	8.25	
	Ch: 30.00 to 60.00 Mts	1.0	30.00			1.10	0.25	8.25	
	Ch: 60.00 to 85.30 Mts	1.0	25.30			1.25	0.25	7.91	81.45
	Total Qty							749.06	Cum

750.63

9

Assistant Engineer
Ward No. 08

Freight Consultants Pvt. Ltd. Bangalore C.P.M.C

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P
Bangalore.

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Sl No	Description					
Date of Recording						
4	KSRRB 500-4 providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank MC-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specificationsDo-Medium Porosity					Sqm
	W No. 08					
	Road Cut portion					
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.					
	Kannamma Temple Main Road					
	Ch: 0.00 to 30.00 Mts	1.0	30.00	1.65	49.50	
	Ch: 30.00 to 60.00 Mts	1.0	30.00	1.63	48.75	48.9
	Ch: 60.00 to 90.00 Mts	1.0	30.00	1.63	48.75	48.9
	Ch: 90.00 to 119.00 Mts	1.0	29.00	1.63	47.13	47.27
	Ch: 119.00 to 149.00 Mts	1.0	30.00	1.65	49.50	
	Ch: 149.00 to 179.00 Mts	1.0	30.00	1.70	51.00	
	Ch: 179.00 to 209.00 Mts	1.0	30.00	1.73	51.75	51.9
	Ch: 209.00 to 239.00 Mts	1.0	30.00	1.68	50.25	50.4
	Ch: 239.00 to 269.00 Mts	1.0	30.00	1.68	50.25	50.4
	Ch: 269.00 to 287.80 Mts	1.0	18.80	1.70	31.96	
	13th Cross Lottegollahalli					
	Ch: 0.00 to 30.00 Mts	1.0	30.00	1.60	48.00	
	Ch: 30.00 to 60.00 Mts	1.0	30.00	1.58	47.28	
	Ch: 60.00 to 90.00 Mts	1.0	30.00	1.58	47.25	
	Ch: 90.00 to 118.00 Mts	1.0	28.00	1.53	42.70	
					665.37	
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout					
	Balaji Layout 8th main road (Indian Overseas bank)					
	Ch: 0.00 to 30.00 Mts	1.0	30.00	1.55	46.50	
	Ch: 30.00 to 60.00 Mts	1.0	30.00	1.53	45.75	45.9
	Ch: 60.00 to 90.00 Mts	1.0	30.00	1.53	45.75	45.9
	Ch: 90.00 to 120.00 Mts	1.0	30.00	1.58	47.25	47.4
	Ch: 120.00 to 150.00 Mts	1.0	30.00	1.63	48.75	48.9
	Ch: 150.00 to 178.00 Mts	1.0	28.00	1.58	44.10	44.24
	Balaji Layout 2nd main road 8th cross					
	Ch: 0.00 to 30.00 Mts	1.0	30.00	6.20	186.00	
	Ch: 30.00 to 60.00 Mts	1.0	30.00	6.00	180.00	
	Ch: 60.00 to 90.00 Mts	1.0	30.00	5.48	164.25	164.4
	Ch: 90.00 to 120.00 Mts	1.0	30.00	4.88	146.25	146.4
	Ch: 120.00 to 150.00 Mts	1.0	30.00	4.90	147.00	
	Ch: 150.00 to 158.00 Mts	1.0	8.00	5.60	44.80	
	Muneshwara Layout 8th Cross					
	Ch: 0.00 to 30.00 Mts	1.0	30.00	2.58	77.25	77.4
	Ch: 30.00 to 60.00 Mts	1.0	30.00	2.63	78.75	78.9
	Ch: 60.00 to 90.00 Mts	1.0	30.00	2.73	81.75	81.9
	Ch: 90.00 to 120.00 Mts	1.0	30.00	2.70	81.00	
	Ch: 120.00 to 150.00 Mts	1.0	30.00	2.70	81.00	
	Ch: 150.00 to 178.30 Mts	1.0	28.30	2.70	76.41	
	Total Qty				2286.60	Sqm
					2289.42	

Assistant Engineer
Ward No. 08

PMC

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engr
Kodigehalli Sub Divisio
Yelahanka Zone, B.B.M
Bangalore.

1624.05

Assistant Executive
Kodigehalli Sub D
Yelahanka Zone,
Bangalor

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Sl No | Description | Unit | Length | Breadth | Depth | Quantity

Date of Recording

5 Providing and laying **bituminous macadam** on Prepared Surface with crushed Coarse aggregates as per Design mix formulae for base/binding course including loading of aggregates with F.E. loader Hot mixing of Stone aggregates and bitumen in Hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve desired density, but excluding cost of primer/Tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per Specifications, MORTH Ch 5 using 40/60 TPH capacity HMP with Mechanical paver Gr II (50mm - 75mm) with 3.4% VG-30 bitumen — Cum

W No. 08

Road Cut portion

7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.

Kannamma Temple Main Road

Ch. 0.00 to 30.00 Mts	1.0	30.00	1.65	0.05	2.48
Ch. 30.00 to 60.00 Mts	1.0	30.00	1.63	0.05	2.44
Ch. 60.00 to 90.00 Mts	1.0	30.00	1.63	0.05	2.44
Ch. 90.00 to 119.00 Mts	1.0	29.00	1.63	0.05	2.36
Ch. 119.00 to 149.00 Mts	1.0	30.00	1.65	0.05	2.48
Ch. 149.00 to 179.00 Mts	1.0	30.00	1.70	0.05	2.55
Ch. 179.00 to 209.00 Mts	1.0	30.00	1.73	0.05	2.59
Ch. 209.00 to 239.00 Mts	1.0	30.00	1.68	0.05	2.51
Ch. 239.00 to 269.00 Mts	1.0	30.00	1.68	0.05	2.51
Ch. 269.00 to 287.80 Mts	1.0	18.80	1.70	0.05	1.60
13th Cross Lottegollahalli					
Ch. 0.00 to 30.00 Mts	1.0	30.00	1.60	0.05	2.40
Ch. 30.00 to 60.00 Mts	1.0	30.00	1.58	0.05	2.36
Ch. 60.00 to 90.00 Mts	1.0	30.00	1.58	0.05	2.36
Ch. 90.00 to 118.00 Mts	1.0	28.00	1.53	0.05	2.14

33.26

6. Improvements to Roads and drains at bhadrappa layout and balaji layout

Balaji Layout 8th main road (Indian Overseas bank)					
Ch. 0.00 to 30.00 Mts	1.0	30.00	1.55	0.05	2.33
Ch. 30.00 to 60.00 Mts	1.0	30.00	1.53	0.05	2.29
Ch. 60.00 to 90.00 Mts	1.0	30.00	1.53	0.05	2.29
Ch. 90.00 to 120.00 Mts	1.0	30.00	1.58	0.05	2.36
Ch. 120.00 to 150.00 Mts	1.0	30.00	1.63	0.05	2.44
Ch. 150.00 to 178.00 Mts	1.0	28.00	1.58	0.05	2.21
Balaji Layout 2nd main road 8th cross					
Ch. 0.00 to 30.00 Mts	1.0	30.00	6.20	0.05	9.30
Ch. 30.00 to 60.00 Mts	1.0	30.00	6.00	0.05	9.00
Ch. 60.00 to 90.00 Mts	1.0	30.00	5.48	0.05	8.21
Ch. 90.00 to 120.00 Mts	1.0	30.00	4.88	0.05	7.31
Ch. 120.00 to 150.00 Mts	1.0	30.00	4.90	0.05	7.35
Ch. 150.00 to 158.00 Mts	1.0	8.00	5.60	0.05	2.24
Muneshwara Layout 8th Cross					
Ch. 0.00 to 30.00 Mts	1.0	30.00	2.58	0.05	3.86
Ch. 30.00 to 60.00 Mts	1.0	30.00	2.63	0.05	3.94
Ch. 60.00 to 90.00 Mts	1.0	30.00	2.73	0.05	4.09
Ch. 90.00 to 120.00 Mts	1.0	30.00	2.70	0.05	4.05
Ch. 120.00 to 150.00 Mts	1.0	30.00	2.70	0.05	4.05
Ch. 150.00 to 178.30 Mts	1.0	28.30	2.70	0.05	3.82
Total Qty					114.33 Cum

114.43

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording									
	Tack Coat:- Providing and applying **tack coat** using 80/100 grade bitumen (VG 10) in boiler fitted with spray jet distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleared with mechanical broom, complete as per specifications.								Sqm
	W No. 08								
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	Kannamma Temple Main Road								
	Ch: 0.00 to 30.00 Mts	1.0	30.00	5.70	5.100	5.40		162.00	
	Ch: 30.00 to 60.00 Mts	1.0	30.00	5.10	5.000	5.05		151.50	
	Ch: 60.00 to 90.00 Mts	1.0	30.00	5.00	4.700	4.85		145.50	
	Ch: 90.00 to 119.00 Mts	1.0	29.00	4.70	5.500	5.10		147.90	
	Ch: 119.00 to 149.00 Mts	1.0	30.00	5.50	5.900	5.70		171.00	
	Ch: 149.00 to 179.00 Mts	1.0	30.00	5.90	5.500	5.70		171.00	
	Ch: 179.00 to 209.00 Mts	1.0	30.00	5.50	6.900	6.20		186.00	
	Ch: 209.00 to 239.00 Mts	1.0	30.00	6.90	6.700	6.80		204.00	
	Ch: 239.00 to 269.00 Mts	1.0	30.00	6.70	6.700	6.70		201.00	
	Ch: 269.00 to 287.80 Mts	1.0	18.80	6.70	8.400	7.55		141.94	
	13th Cross Lottegollahalli								
	Ch: 0.00 to 30.00 Mts	1.0	30.00	4.40	4.500	4.45		133.50	
	Ch: 30.00 to 60.00 Mts	1.0	30.00	4.50	4.200	4.35		130.50	
	Ch: 60.00 to 90.00 Mts	1.0	30.00	4.20	3.800	4.00		120.00	
	Ch: 90.00 to 118.00 Mts	1.0	28.00	3.80	3.700	3.75		105.00	
	13th Cross Maruthinagara								
	Ch: 0.00 to 30.00 Mts	1.0	30.00	4.40	5.000	4.70		141.00	
	Ch: 30.00 to 60.00 Mts	1.0	30.00	5.00	4.500	4.75		142.50	
	Ch: 60.00 to 90.00 Mts	1.0	30.00	4.50	4.700	4.60		138.00	
	Ch: 90.00 to 109.20 Mts	1.0	19.20	4.70	4.900	4.80		92.16	
								2684.03	
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Balaji Layout 8th main road (Indian Overseas bank)								
	Ch: 0.00 to 30.00 Mts	1.0	30.00	5.90	6.000	5.95		178.50	
	Ch: 30.00 to 60.00 Mts	1.0	30.00	6.00	6.300	6.15		184.50	
	Ch: 60.00 to 90.00 Mts	1.0	30.00	6.30	6.100	6.20		186.00	
	Ch: 90.00 to 120.00 Mts	1.0	30.00	6.10	6.200	6.15		184.50	
	Ch: 120.00 to 150.00 Mts	1.0	30.00	6.20	6.800	6.50		195.00	
	Ch: 150.00 to 155.00 Mts	1.0	5.00	6.80	7.200	7.00		35.00	
	Balaji Layout 2nd main road 8th cross								
	Ch: 0.00 to 30.00 Mts	1.0	30.00	6.30	6.100	6.20		186.00	
	Ch: 30.00 to 60.00 Mts	1.0	30.00	6.10	5.900	6.00		180.00	
	Ch: 60.00 to 90.00 Mts	1.0	30.00	5.90	5.050	5.48		164.25	164.4
	Ch: 90.00 to 120.00 Mts	1.0	30.00	5.05	4.700	4.88		146.25	146.4
	Ch: 120.00 to 150.00 Mts	1.0	30.00	4.70	5.100	4.90		147.00	
	Ch: 150.00 to 158.00 Mts	1.0	8.00	5.10	6.100	5.60		44.80	
	Port House Apartment Road								
	Ch: 0.00 to 30.00 Mts	1.0	30.00	5.20	5.600	5.40		162.00	
	Ch: 30.00 to 60.00 Mts	1.0	30.00	5.60	5.800	5.70		171.00	
	Ch: 60.00 to 90.00 Mts	1.0	30.00	5.80	5.300	5.55		166.50	
	Ch: 90.00 to 120.00 Mts	1.0	30.00	5.30	5.500	5.40		162.00	
	Ch: 120.00 to 141.60 Mts	1.0	21.60	5.50	5.500	5.50		118.80	
	Muneshwara Layout 8th Cross								
	0.00 to 4.00 Mts	1.0	4.00	1.55	1.550	1.55		6.20	
	4.00 to 15.30 Mts	1.0	11.30	2.60	2.600	2.60		29.38	
	15.30 to 45.30 Mts	1.0	30.00	5.70	5.600	5.65		169.50	
	45.30 to 58.30 Mts	1.0	13.00	5.60	5.900	5.75		74.75	
	58.30 to 90.30 Mts	1.0	32.00	4.10	4.300	4.20		134.40	
	90.30 to 120.30 Mts	1.0	30.00	6.70	6.500	6.60		198.00	
								3224.63	

12

Asst. Exec. Engr
Kodigehalli S.D. Division
Yelahanka Zone, B.B.M.P.
Bangalore.

Scanned with CamScanner

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	120 30 to 150 30 Mts	1.0	30.00	6.50	5.800	6.15		184.50	
	150 30 to 182 30 Mts	1.0	32.00	5.80	7.900	6.85		219.20	
	182 30 to 185 30 Mts	1.0	7.00	10.20	9.800	10.00		70.00	
	Balaji Layout 3rd Cross								
	Ch 0.00 to 30.00 Mts	1.0	30.00	5.50	6.200	5.85		175.50	
	Ch 30.00 to 60.00 Mts	1.0	30.00	6.20	4.400	5.30		159.00	
	Ch 60.00 to 90.00 Mts	1.0	30.00	4.40	3.700	4.05		121.50	
	Ch 90.00 to 99.90 Mts	1.0	9.90	3.70	3.600	3.65		36.14	
	Balaji Layout 4th Cross								
	Ch 0.00 to 14.00 Mts	1.0	14.00	6.10	5.000	5.55		77.70	
	Ch: 14.00 to 35.5 Mts	1.0	21.50	5.00	2.800	3.90		83.85	
	Devi Nagar 5th cross								
	Ch 0.00 to 30.00 Mts	1.0	30.00	5.20	4.600	4.90		147.00	
	Ch 30.00 to 60.00 Mts	1.0	30.00	4.60	5.300	4.95		148.50	
	Ch 60.00 to 85.30 Mts	1.0	25.30	5.30	5.400	5.35		135.36	
								7467.07	Sqm

13

1558.25

Assistant Engineer
Ward No. 08

PMC

Assistant Executive Engineer
Byatarayanapura Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Scanned with CamScanner

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty
Date of Recording:								
7	Providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bitumino binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finish with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tande roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification 30-45mm compacted thicikness (GradingII) With 6% bitumen 80/100,							Cum
	W No. 08							
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.							
	Kannamma Temple Main Road							
	Ch: 0.00 to 30.00 Mts	1.0	30.00	5.70	5.100	5.40	0.04	6.48
	Ch: 30.00 to 60.00 Mts	1.0	30.00	5.10	5.000	5.05	0.04	6.06
	Ch: 60.00 to 90.00 Mts	1.0	30.00	5.00	4.700	4.85	0.04	5.82
	Ch: 90.00 to 119.00 Mts	1.0	29.00	4.70	5.500	5.10	0.04	5.92
	Ch: 119.00 to 149.00 Mts	1.0	30.00	5.50	5.900	5.70	0.04	6.84
	Ch: 149.00 to 179.00 Mts	1.0	30.00	5.90	5.500	5.70	0.04	6.84
	Ch: 179.00 to 209.00 Mts	1.0	30.00	5.50	6.900	6.20	0.04	7.44
	Ch: 209.00 to 239.00 Mts	1.0	30.00	6.90	6.700	6.80	0.04	8.16
	Ch: 239.00 to 269.00 Mts	1.0	30.00	6.70	6.700	6.70	0.04	8.04
	Ch: 269.00 to 287.80 Mts	1.0	18.80	6.70	8.400	7.55	0.04	5.68
	13th Cross Lottegollahalli							
	Ch: 0.00 to 30.00 Mts	1.0	30.00	4.40	4.500	4.45	0.04	5.34
	Ch: 30.00 to 60.00 Mts	1.0	30.00	4.50	4.200	4.35	0.04	5.22
	Ch: 60.00 to 90.00 Mts	1.0	30.00	4.20	3.800	4.00	0.04	4.80
	Ch: 90.00 to 118.00 Mts	1.0	28.00	3.80	3.700	3.75	0.04	4.20
	13th Cross Maruthinagara							
	Ch: 0.00 to 30.00 Mts	1.0	30.00	4.40	5.000	4.70	0.04	5.64
	Ch: 30.00 to 60.00 Mts	1.0	30.00	5.00	4.500	4.75	0.04	5.70
	Ch: 60.00 to 90.00 Mts	1.0	30.00	4.50	4.700	4.60	0.04	5.52
	Ch: 90.00 to 109.20 Mts	1.0	19.20	4.70	4.900	4.80	0.04	3.69
								107.39
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout							
	Balaji Layout 8th main road (Indian Overseas bank)							
	Ch: 0.00 to 30.00 Mts	1.0	30.00	5.90	6.000	5.95	0.04	7.14
	Ch: 30.00 to 60.00 Mts	1.0	30.00	6.00	6.300	6.15	0.04	7.38
	Ch: 60.00 to 90.00 Mts	1.0	30.00	6.30	6.100	6.20	0.04	7.44
	Ch: 90.00 to 120.00 Mts	1.0	30.00	6.10	6.200	6.15	0.04	7.38
	Ch: 120.00 to 150.00 Mts	1.0	30.00	6.20	6.800	6.50	0.04	7.80
	Ch: 150.00 to 155.00 Mts	1.0	5.00	6.80	7.200	7.00	0.04	1.40
	Balaji Layout 2nd main road 8th cross							
	Ch: 0.00 to 30.00 Mts	1.0	30.00	6.30	6.100	6.20	0.04	7.44
	Ch: 30.00 to 60.00 Mts	1.0	30.00	6.10	5.900	6.00	0.04	7.20
	Ch: 60.00 to 90.00 Mts	1.0	30.00	5.90	5.050	5.48	0.04	6.57
	Ch: 90.00 to 120.00 Mts	1.0	30.00	5.05	4.700	4.88	0.04	5.85
	Ch: 120.00 to 150.00 Mts	1.0	30.00	4.70	5.100	4.90	0.04	5.88
	Ch: 150.00 to 158.00 Mts	1.0	8.00	5.10	6.100	5.60	0.04	1.79
	Port House Apartment Road							
	Ch: 0.00 to 30.00 Mts	1.0	30.00	5.20	5.600	5.40	0.04	6.48
	Ch: 30.00 to 60.00 Mts	1.0	30.00	5.60	5.800	5.70	0.04	6.84
	Ch: 60.00 to 90.00 Mts	1.0	30.00	5.80	5.300	5.55	0.04	6.66
	Ch: 90.00 to 120.00 Mts	1.0	30.00	5.30	5.500	5.40	0.04	6.48
	Ch: 120.00 to 141.60 Mts	1.0	21.60	5.50	5.500	5.50	0.04	4.75
	Muneshwara Layout 8th Cross							
	0.00 to 4.00 Mts	1.0	4.00	1.55	1.550	1.55	0.04	0.25
	4.00 to 15.30 Mts	1.0	11.30	2.60	2.600	2.60	0.04	1.18
								105.91

Scanned with CamScanner

Ward No. 08

Pre-Measurement

Sl No	Description of Item	No	L	B1	B2	Av.B	D	Qty	Unit
	15.30 to 45.30 Mts	1.0	30.00	5.70	5.600	5.65	0.04	6.78	
	45.30 to 58.30 Mts	1.0	13.00	5.60	5.900	5.75	0.04	2.99	
	58.30 to 90.30 Mts	1.0	32.00	4.10	4.300	4.20	0.04	5.38	
	90.30 to 120.30 Mts	1.0	30.00	6.70	6.500	6.60	0.04	7.92	
	120.30 to 150.30 Mts	1.0	30.00	6.50	5.800	6.15	0.04	7.38	
	150.30 to 182.30 Mts	1.0	32.00	5.80	7.900	6.85	0.04	8.77	
	182.30 to 185.30 Mts	1.0	7.00	10.20	9.800	10.00	0.04	2.80	
	Balaji Layout 3rd Cross								
	Ch 0.00 to 30.00 Mts	1.0	30.00	5.50	6.200	5.85	0.04	7.02	
	Ch 30.00 to 60.00 Mts	1.0	30.00	6.20	4.400	5.30	0.04	6.36	
	Ch 60.00 to 90.00 Mts	1.0	30.00	4.40	3.700	4.05	0.04	4.86	
	Ch 90.00 to 99.90 Mts	1.0	9.90	3.70	3.600	3.65	0.04	1.45	
	Balaji Layout 4th Cross								
	Ch 0.00 to 14.00 Mts	1.0	14.00	6.10	5.000	5.55	0.04	3.11	
	Ch 14.00 to 35.5 Mts	1.0	21.50	5.00	2.800	3.90	0.04	3.35	
	Devi Nagar 5th cross								
	Ch 0.00 to 30.00 Mts	1.0	30.00	5.20	4.600	4.90	0.04	5.88	
	Ch 30.00 to 60.00 Mts	1.0	30.00	4.60	5.300	4.95	0.04	5.94	
	Ch 60.00 to 85.30 Mts	1.0	25.30	5.30	5.400	5.35	0.04	5.41	
							Total Qty =	298.68	Cum

15

C&F.C. 12/04

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Byatarayanapura Sub Division.
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore

Scanned with CamScanner

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording									
9	Providing and laying of **hot applied thermoplastic compound** 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.								Sqm
	W No. 08								
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	Kannamma Temple Main Road								
	Ch: 0.00 to 30.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 30.00 to 60.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 60.00 to 90.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 90.00 to 119.00 Mts	2.5	29.00			0.10		7.25	
	Ch: 119.00 to 149.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 149.00 to 179.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 179.00 to 209.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 209.00 to 239.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 239.00 to 269.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 269.00 to 287.80 Mts	2.5	18.80			0.10		4.70	
	13th Cross Lottegollahalli								
	Ch: 0.00 to 30.00 Mts	2.0	30.00			0.10		6.00	
	Ch: 30.00 to 60.00 Mts	2.0	30.00			0.10		6.00	
	Ch: 60.00 to 90.00 Mts	2.0	30.00			0.10		6.00	
	Ch: 90.00 to 118.00 Mts	2.0	28.00			0.10		5.60	
	13th Cross Maruthinagara								
	Ch: 0.00 to 30.00 Mts	2.0	30.00			0.10		6.00	
	Ch: 30.00 to 60.00 Mts	2.0	30.00			0.10		6.00	
	Ch: 60.00 to 90.00 Mts	2.0	30.00			0.10		6.00	
	Ch: 90.00 to 109.20 Mts	2.0	19.20			0.10		3.84	
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Balaji Layout 8th main road (Indian Overseas bank)								
	Ch: 0.00 to 30.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 30.00 to 60.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 60.00 to 90.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 90.00 to 120.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 120.00 to 150.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 150.00 to 155.00 Mts	2.5	5.00			0.10		1.25	
	Balaji Layout 2nd main road 8th cross								
	Ch: 0.00 to 30.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 30.00 to 60.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 60.00 to 90.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 90.00 to 120.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 120.00 to 150.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 150.00 to 158.00 Mts	2.5	8.00			0.10		2.00	
	Port House Apartment Road								
	Ch: 0.00 to 30.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 30.00 to 60.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 60.00 to 90.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 90.00 to 120.00 Mts	2.5	30.00			0.10		7.50	
	Ch: 120.00 to 141.60 Mts	2.5	21.60			0.10		5.40	
	Muneshwara Layout 8th Cross								
	0.00 to 4.00 Mts	2.0	4.00			0.10		0.80	
	4.00 to 15.30 Mts	2.0	11.30			0.10		2.26	
	15.30 to 45.30 Mts	2.0	30.00			0.10		6.00	
	45.30 to 58.30 Mts	2.0	13.00			0.10		2.60	

Scanned with CamScanner

Ward No. 08

Pre-Measurement

17

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	58.30 to 90.30 Mts	2.0	32.00			0.10		6.40	
	90.30 to 120.30 Mts	2.0	30.00			0.10		6.00	
	120.30 to 150.30 Mts	2.0	30.00			0.10		6.00	
	150.30 to 182.30 Mts	2.0	32.00			0.10		6.40	
	182.30 to 185.30 Mts	2.0	7.00			0.10		1.40	
	Balaji Layout 3rd Cross								
	Ch: 0.00 to 30.00 Mts	2.0	30.00			0.10		6.00	
	Ch: 30.00 to 60.00 Mts	2.0	30.00			0.10		6.00	
	Ch: 60.00 to 90.00 Mts	2.0	30.00			0.10		6.00	
	Ch: 90.00 to 99.90 Mts	2.0	9.90			0.10		1.98	
	Balaji Layout 4th Cross								
	Ch: 0.00 to 14.00 Mts	2.0	14.00			0.10		2.80	
	Ch: 14.00 to 35.5 Mts	2.0	21.50			0.10		4.30	
	Devi Nagar 5th cross								
	Ch: 0.00 to 30.00 Mts	2.0	30.00			0.10		6.00	
	Ch: 30.00 to 60.00 Mts	2.0	30.00			0.10		6.00	
	Ch: 60.00 to 85.30 Mts	2.0	25.30			0.10		5.06	
								313.04	Sqm

Assistant Engineer
Ward No. 08

Trinsheight Consultants Pvt. Ltd. Bangalore

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B
Bangalore

Scanned with CamScanner

Sl No	Description of Item	No	L	B1	B2	Av B	D	Qty	Unit
Date of Recording									
	Community Hall/School Building								
38	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m, after breaking of clods complete as per specifications								Cum
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, School Building								
	For Columns								
	F1								
	F1(a)	1		3.2		4.8	2.00	30.72	
	F1(b)	2		3.6		3.9	2.00	56.16	
	F2	3		3.4		3.7	2.00	75.48	
	F3	2		3.2		3.7	2.00	47.36	
	F4	2		5		2	2.00	40	
	F5	5		2		1.7	2.00	34	
	Walls								
	Long walls	3		23.72		1.2	1.45	123.8184	
	Short walls	3		5.735		1.2	1.45	29.9367	
	Deduction								
	For Columns								
	F2	-3		3.4		1.2	1.45	-17.748	
	F3	-2		3.2		1.2	1.45	-11.136	
	F4	-2		5		1.2	1.45	-17.4	
	F5	-5		2		1.2	1.45	-17.4	
	Total Qty							373.79	Cum

Assistant Engineer
Ward No. 08

EMC

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P
Bangalore

Scanned with CamScanner

Sl No	Description of Item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording									
29	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, with superplastisiser @3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.								Cum
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	School Building								
	Footing								
	F1	3	3.30			2.7	0.70	18.7	
	F2	3	3.00			2.7	0.65	15.8	
	F3	2	2.70			2.6	0.55	7.6	
	F4	2	2.10			1.8	0.50	3.8	
	F5	5	1.80			1.5	0.43	5.8	
	Plinth beam								
	PB1-PB4	3	22.75			0.2	0.45	7.1	
	PB5,PB6	2	6.50			0.2	0.45	1.3	
	PB7	3	4.80			0.2	0.45	1.5	
	MB	1	3.50			0.2	0.45	0.4	
	For lintel								
	Long wall	2	22.75			0.2	0.15	1.6	
	Short wall	3	4.80			0.2	0.15	0.5	
	For Chejja	6	1.80			0.6	0.10	0.6	
	Beams								
	GB1-GB4	2	22.75			0.2	0.45	4.7	
	GB5-GB8	1	22.75			0.2	0.45	2.4	
	GB9,GB10	2	6.51			0.2	0.45	1.3	
	GB11	3	4.64			0.2	0.45	1.4	
	Stair case	2	1.50			1.5	0.15	0.7	
	Steps	22	1.50			0.00675		0.2	
	Landing	2	3.23			1.5	0.15	1.5	
	Flights	1	3.76			1.5	0.15	0.8	
		1	3.50			1.5	0.15	0.8	
		1	1.50			1.5	0.15	0.3	
	Roof-Slab concrete								
		1	19.75			7.2	0.15	21.3	
	Staircase portion	1	3.23			2.1	0.15	1.0	
	Extra slab to School	1	7.20			1.3	0.15	1.4	
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Community Hall								
	For lintel								
	Long wall	1	13.42			0.23	0.15	0.46	
	Short wall	1	11.60			0.23	0.15	0.40	
	Cross wall	2	4.50			0.23	0.15	0.31	

100.98

19

772

1.27

1.3

0.3

0.4

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

Scanned with CamScanner

Ward No. 08

Pre-Measurement

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	For Chejja								
		1	1.8			0.55	0.13	0.12	
		4	1.6			0.55	0.13	0.43	
	Stair case								
	Mid landing	1	1.8			1.10	0.15	0.30	
	Steps	21			0.01875		0.90	0.35	
	waist slab	1	3.5			0.90	0.15	0.47	
		1	2.4			0.90	0.15	0.32	
	Landing	1	0.9			0.90	0.15	0.12	
		1	1.8			0.90	0.15	0.24	
	Slab concrete								
		1	13.4			5.36	0.15	10.80	
	Beams	2	13.4			0.23	0.30	1.85	
		3	5.4			0.23	0.30	1.11	
	Stair case side beam	1	1.8			0.23	0.30	0.13	
	Total Qty						117.22	119.87	cum

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Assistant Executive Engineer
Kodigenahalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Engineer
Ward No. 08

Consultant
For VRMC

Assistant Executive Engineer
Vidyarayanapura Sub Division

Assistant Executive Engineer
Kodigenahalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Scanned with CamScanner

Pre Measurement

SI No	Description of Item	No	L	B1	B2	A or B	D	Qty	Unit
Date of Recording									
5	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 320kgs with down and down size graded granite metal coarse aggregates @0.80cum and fine aggregates @0.40cum with superplasticiser @3lts confirming to IS 9103:1999 readymixed portal machine mixed concrete laid in layers not exceeding 15 cms thick vibrated for RCC beams, columns roof of all sizes in foundation plinth and superstructure ground floor level for roof slabs staircases lintles columns building cost of all materials labour MCM of machinery curing complete as per specifications								Cum
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara DB Nagar								
	School Building								
	Columns Upto Plinth								
	C1	3	0.60			0.2	1.20	0.5	
	C2	3	0.60			0.2	1.20	0.5	
	C3	2	0.60			0.2	1.20	0.3	
	C4	2	0.45			0.2	1.20	0.2	
	C5	5		(3.142*0.3*0.3)/4		0.17	1.20	0.5	
	Columns Above Plinth								
	C1	3	0.60			0.2	2.75	1.0	
	C2	3	0.60			0.2	2.75	1.0	
	C3	2	0.60			0.2	2.75	0.8	
	C4	2	0.45			0.2	2.75	0.6	
	C5	5		(3.142*0.3*0.3)/4			2.75	1.0	
	Columns Above Slab								
	C1	3	0.60			0.2	1.20	0.5	
	C2	3	0.60			0.2	1.20	0.5	
	C3	2	0.60			0.2	1.20	0.3	
	C4	2	0.45			0.2	1.20	0.2	
	C5	5		(3.142*0.3*0.3)/4			1.20	0.4	
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Community Hall								
	Columns								
	Upto slab	6	0.3			0.2	2.75	1.0	
	Above slab	6	0.3			0.2	1.00	0.4	
	Total Qty							10.32	Cum

Assistant Engineer
Ward No. 08

PWC

Assistant Executive Engineer
Bradarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P..
Bangalore.

Scanned with CamScanner

Ward No. 08

Pre-Measurement

Sl No	Description of Item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording									
31	Providing and laying in position Plain Cement Concrete of mix M10 with OPC cement @ 220kgs. with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications.								Cum
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	School Building								
	F1								
	F1(a)	1.00	3.20			4.80	0.10	1.54	
	F1(b)	2.00	3.60			3.90	0.10	2.81	
	F2	3.00	3.40			3.70	0.10	3.77	
	F3	2.00	3.20			3.70	0.10	2.37	
	F4	2.00	5.00			2.00	0.10	2.00	
	F5	5.00	2.00			1.70	0.10	1.70	
	Walls								
	Long walls	3.00	23.72			1.20	0.10	8.54	
	Short walls	3.00	5.74			1.20	0.10	2.06	
	Deduction								
	For Columns								
	F2	-3.00	3.40			1.20	0.10	-1.22	
	F3	-2.00	3.20			1.20	0.10	-0.77	
	F4	-2.00	5.00			1.20	0.10	-1.20	
	F5	-5.00	2.00			1.20	0.10	-1.20	
	Total Qty							20.40	Cum
						Quantity Limited to		19.00	Cum

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Assistant Engineer
Ward No. 08

Transtech Consultants Pvt. Ltd. Bangalore

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone
Bangalore

Scanned with CamScanner

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording:									
32	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.								Tonne

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Description	Dia of bar in mm	No	Length of bar	Kg/m	Total weight	
7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.						
School Building						
Footings						
F1						
Longer Direction	12.00	24	3.45	0.889	73.60	
Shorter Direction	12.00	28	2.85	0.889	70.93	70.94
For 1 Footing					144.53	
For 3 Footings						433.60
F2						
Longer Direction	12.00	24	3.15	0.889	67.20	
Shorter Direction	12.00	26	2.85	0.889	65.87	
For 1 Footing					133.07	
For 3 Footings						399.20
F3						
Longer Direction	12.00	24	3.15	0.889	67.20	
Shorter Direction	12.00	28	2.9	0.889	72.18	
For 1 Footing					139.38	
For 2 Footings						278.76
F4						
Longer Direction	12.00	15	2.3	0.889	30.67	
Shorter Direction	12.00	18	2	0.889	32.00	
For 1 Footing					62.67	
For 2 Footings						125.33
F5						
Longer Direction	12.00	13	2	0.889	23.11	
Shorter Direction	12.00	15	1.7	0.889	22.67	
For 1 Footing					45.78	
For 5 Footings						228.89
School Building						
Columns						
C1						
	20.00	6	8.8	2.469	130.37	130.36
	16.00	4	8.8	1.580	55.62	
Stirrups	8.00	36	1.48	0.395	21.05	
	8.00	36	1.22	0.395	17.35	
For 1 column					224.40	673.17
For 3 Columns						673.19
C2						
	20.00	4	8.8	2.469	86.91	
	16.00	6	8.8	1.580	83.44	83.42
Stirrups	8.00	36	1.48	0.395	21.05	
	8.00	36	1.22	0.395	17.35	
For 1 column					208.75	626.19
For 3 Columns						626.25
C3						
	16.00	10	8.8	1.580	139.06	139.04
Stirrups	8.00	36	1.48	0.395	21.05	
	8.00	36	1.22	0.395	17.35	

1105.99

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

9/12/19

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Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	For 1 column					177.46	354.88		
	For 2 Columns						354.92		
	C4								
		16.00	8	8.8	1.580	111.25	111.23		
	Stirrups	8.00	36	1.17	0.395	16.64			
		8.00	36	0.8	0.395	11.38			
	For 1 column					139.27	278.54		
	For 2 Columns						278.53		
	C5								
		16.00	6	8.8	1.580	83.44	83.42		
	Stirrups	8.00	29	0.85	0.395	9.74			
	For 1 column					93.18			
	For 5 Columns						465.88		
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Community Hall								
	Columns	10.00	6	4	0.617	14.81			
	Stirrups	8.00	28	0.89	0.395	9.73	9.34		
						24.54	24.54		
							24.75		
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	School Building								
	Plinth Beam								
	PB1,PB2,PB3 &PB4								
	Top bars	12.00	2	23.9	0.889	42.49			
	Top Extra Bars	12.00	2	13.55	0.889	24.09			
	Bottom Bars	16.00	2	23.9	1.580	75.54	75.52		
	Stirrups	8.00	143	1.2	0.395	67.79	67.78		
	For 1 Plinth Beam					209.91			
	For 3 Plinth Beams						629.72		
	PB5&PB6								
	Top bars	12.00	2	8.315	0.889	14.78			
	Top Extra Bars	12.00	2	3.4	0.889	6.04			
	Bottom Bars	16.00	2	8.315	1.580	26.28			
	Stirrups	8.00	36	1.2	0.395	17.07	17.06		
	For 1 Plinth Beam					64.17			
	For 2 Plinth Beams						128.35		
	PB7								
	Top bars	12.00	2	6.2	0.889	11.02			
	Top Extra Bars	12.00	2	2.8	0.889	4.98			
	Bottom Bars	16.00	2	5.2	1.580	16.43			
	Stirrups	8.00	25	1.2	0.395	11.85			
	For 1 Plinth Beam					44.29	132.86		
	For 3 Plinth Beams								
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	School Building								
	Lintels								
	LB1,LB2,LB3,LB4								
	Top bars	8.00	2	23.9	0.395	18.88			
	Bottom Bars	16.00	2	23.9	1.580	75.54	75.52		
	Stirrups	8.00	153	0.65	0.395	39.29	39.28		
	For 1 Lintel beam					133.71			
	For 2 Lintel beams						267.42		
	LB6 & LB7								
	Top bars	8.00	2	8.265	0.395	6.53			
	Bottom Bars	16.00	2	8.265	1.580	26.12			
	Stirrups	8.00	153	0.65	0.395	39.29	39.28		

780.99

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Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Chejja						216.82
Longer Direction	8.00	5	1.4	0.395	2.77	
Shorter Direction	10.00	13	0.8	0.617	6.42	
For 1 Chejja					9.19	
For 6 Chejjas					55.11	
6. Improvements to Roads and drains at bhadrappa layout and balaji layout						
Community Hall						
Lintel						
Long Beams (2 nos)	10.00	4	28	0.617	69.14	69.10
Stirrups	8.00	375	0.61	0.395	90.45	10.36
Short Beams (2 nos)	10.00	4	10.2	0.617	25.19	25.17
Stirrups	8.00	138	0.61	0.395	33.26	33.25
				216.82	218.03	218.03 216.82
Chejja (5 Nos)						
Main Bars	10.00	11	4	0.617	27.16	27.15
Distribution Bars	10.00	6	8	0.617	29.63	29.62
Staircase	12.00	8	4.8	0.889	34.13	
Lapping	12.00	6	1	0.889	5.33	
L-shape bars	8.00	26	1.6	0.395	16.43	
Stirrups	8.00	10	0.5	0.395	1.98	
Landing	12.00	8	1.95	0.889	13.87	
	8.00	6	1.8	0.395	4.27	
Waist slab	12.00	8	4.7	0.889	33.42	
	8.00	8	0.85	0.395	2.69	
	8.00	15	0.85	0.395	5.04	
	12.00	8	4.7	0.889	33.42	
	8.00	12	0.85	0.395	4.03	
	8.00	15	0.85	0.395	5.04	
	12.00	8	2.4	0.889	17.07	
	10.00	8	1.2	0.617	5.93	5.92
Landing	12.00	8	2.4	0.889	17.07	
	10.00	8	1.2	0.617	5.93	5.92
Beams Long	16.00	4	12.9	1.580	81.54	31.69
	12.00	4	12.9	0.889	45.87	
Stirrups	8.00	84	0.89	0.395	29.53	
Beams short	16.00	4	5.45	1.580	34.45	34.44
	12.00	4	5.45	0.889	19.38	
Stirrups	8.00	34	0.89	0.395	11.95	
Staircase area	16.00	3	3.25	1.580	15.41	
					500.55	500.55
7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.						
School Building						
Beams						
Long beams						
GB1,GB2,GB3,GB4						
Top bars	16.00	2	24.1	1.580	76.17	76.16
Top Extra Bars	16.00	2	11.9	1.580	37.61	37.60
Bottom Bars	20.00	2	24.1	2.469	119.01	
Bottom extra	16.00	2	12.6	1.580	39.82	
Stirrups	8.00	108	1.5	0.395	64.00	
For 1 Beam					336.61	
For 2 Beams						673.22
GB5-8						
Top bars	16.00	2	24.05	1.580	76.01	

1139.75

Clerk — Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.

Scanned with CamScanner

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	Top Extra Bars	12.00	2	9.55	0.889	16.98			
	Bottom Bars	16.00	2	24.05	1.580	76.01			
	Bottom extra	12.00	2	13.5	0.889	24.00			
	Stirrups	8.00	108	1.5	0.395	64.00			
						257.00	257.00		
	GB9-10								
	Top bars	16.00	2	13.6	1.580	42.98			
	Top Extra Bars	12.00	2	3.6	0.889	6.40			
	Bottom Bars	16.00	2	13.6	1.580	42.98			
	Bottom extra	12.00	2	2.6	0.889	4.62			
	Stirrups	8.00	42	1.5	0.395	24.89			
	For 1 Beam					121.88			
	For 2 Beams						243.75		
	GB11								
	Top bars	16.00	2	6.4	1.580	20.23	20.22		
	Top Extra Bars	16.00	2	2.8	1.580	8.85			
	Bottom Bars	20.00	2	6.4	2.469	31.60			
	Bottom extra	16.00	2	2.6	1.580	4.11	8.22		
	Stirrups	8.00	34	1.5	0.395	20.15			
	For 1 Beam					84.94			
	For 3 Beams					89.05	~~247.15~~ 254.81		
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	School Building								
	Slab								
	Panel-1								
	Longer Direction Bent up	8.00	9	9.21	0.395	32.75	32.74		
	Longer Direction Straight up Bars	8.00	21	7.72	0.395	64.05	64.04		
	Shorter Direction bent up	10.00	20	6.36	0.617	78.52	78.48		
	Shorter Direction Straight Bars	10.00	21	6.15	0.617	79.72	79.69		
	Longer top bars	8.00	10	6.72	0.395	26.55	26.54		
	Shorter top bars	8.00	10	6.15	0.395	24.30	24.29		
						305.88	305.88	305.73	
	Panel-2								
	Longer Direction Bent up	8.00	9	10.81	0.395	38.44	38.43		
	Longer Direction Straight up Bars	8.00	21	7.72	0.395	64.05	64.04		
	Shorter Direction bent up	10.00	20	5.36	0.617	66.17	66.14		
	Shorter Direction Straight Bars	10.00	21	5.15	0.617	66.76	66.73		
	Longer top bars	8.00	10	7.72	0.395	30.50	~~30.~~		
	Shorter top bars	8.00	10	5.15	0.395	20.35	20.34		
						286.26	286.26	286.19	
	Panel-3								
	Longer Direction Bent up	8.00	9	10.81	0.395	38.44	38.43		
	Longer Direction Straight up Bars	8.00	21	7.72	0.395	64.05	64.04		
	Shorter Direction bent up	10.00	20	5.36	0.617	66.17	66.14		
	Shorter Direction Straight Bars	10.00	21	5.15	0.617	66.76	66.73		
	Longer top bars	8.00	10	7.72	0.395	30.50			
	Shorter top bars	8.00	10	5.15	0.395	20.35	20.34		
						286.26	286.26		
	Passage Slab								

1270.04

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Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	Panel-4								
	Longer Direction Straight Bars								
	Longer top bars	10.00	8	23.75	0.620	117.80			
	Shorter Direction bent up	10.00	4	23.75	0.620	58.90			
	Shorter Direction Straight Bars	10.00	64	3.52	0.620	139.67			
	Chairs	10.00	62	2.36	0.620	90.72			
	Slab Projection	10.00	31	0.76	0.620	14.61			
	Bottom								
	Top	10.00	36	1.4	0.617	31.11			
	Bottom	8.00	34	1.3	0.395	17.46			
		8.00	5	7.2	0.395	14.22			
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.					484.49	484.49		
	School Building								
	Stair case								
	Top	8.00	12	1.46	0.395	6.92			
		10.00	11	2.1	0.617	14.26	14.25		
	Bottom	8.00	25	1.5	0.395	14.81			
		12.00	11	4.4	0.889	43.02			
	Top	12.00	10	2.42	0.889	21.51			
	Dist	10.00	10	3.1	0.617	19.14	19.13		
		10.00	10	3.32	0.617	20.49	20.48		
	Beam	12.00	12	3.32	0.889	35.41			
		8.00	20	3.32	0.395	26.23			
	Top	12.00	9	3.1	0.889	24.80			
		12.00	9	3.1	0.889	24.80			
	Stirrups	8.00	22	1.24	0.395	10.78			
	Beam	12.00	3	3.32	0.889	8.85			
		16.00	3	3.32	1.580	15.74			
	Stirrups	8.00	18	1.24	0.395	8.82			
	Longer direction	10.00	9	6.32	0.617	35.11	35.09		
	Cut bars	12.00	9	5.14	0.889	41.12			
	Dist bars	8.00	32	1.38	0.395	17.45	17.44		
	Top Dist	8.00	4	1.13	0.395	1.79			
	bottom	8.00	7	1.13	0.395	3.12			
						394.18	394.18		
							394.12		
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Community Hall								
	Slab								
	Main Bars	10.00	27	5.5	0.617	91.67	91.62		
		10.00	27	5.25	0.617	87.50			
		12.00	27	1.1	0.889	26.40			
		12.00	27	2.3	0.889	55.20			
		10.00	15	3	0.617	27.78	27.77		
	Chairs	8.00	45	0.45	0.395	8.00			
	Distribution Bars	10.00	6	11.35	0.617	42.04	42.03		
	Bottm matt	10.00	17	11	0.617	115.43	115.37		
		12.00	4	1.3	0.889	4.62			
		10.00	2	1.3	0.617	1.60			
						460.24	460.24		
						460.13	9683.05		Tonne
							9.68		

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Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Engineer
Ward No. 08

PMC

Assistant Executive Engineer
Pvatarayanapura Sub Division

Scanned with CamScanner

Ward No. 08

Sl No / Date of Recording	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
35	Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.								Sqm
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	School Building								
	For Footings								
	F1	3.0	12.0				0.70	25.2	
	F2	3.0	11.4				0.65	22.2	
	F3	2.0	10.5				0.55	11.6	
	F4	2.0	7.8				0.50	7.8	
	F5	5.0	4.8				0.43	10.2	
	Total Qty							76.98 / 77.1	Sqm

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Assistant Engineer
Ward No. 08

Consultants Pvt. Ltd. BBMP Bangalore

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Divisn
Yelahanka Zone, B.B.
Bangalore.

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Sl No	Description of Item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording									
34	d) Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications.								Sqm
	6 Improvements to roads and drains in ~~Kodigehalli colony, Maruthinagara, BB Nagar.~~ Badavane Layout & Kalappa Layout								
	Community Hall								
	Slab								
		1	11.61			5.36		62.23	
	Alround side	1	33.94			0.15		5.09	
	Chejja								
	D	1	1.80			0.55		0.99	
	W	4	1.55			0.55		3.41	
	Chejja sides								
	D	1	2.90				0.15	0.44	
	W	4	2.65				0.15	1.59	
	Staircase								
	Flights	1	3.50			0.90		3.15	
		1	2.40			0.90		2.16	
	landings	1	1.80			1.10		1.98	
		1	0.90			0.90		0.81	
		1	0.90			1.80		1.62	
	Risers	21	0.90				0.15	2.84	
	sides	1	3.50			0.30		1.05	
		1	2.40			0.30		0.72	
	Total Qty							88.07	Sqm

Assistant Engineer
Ward No. 08

PMC

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore

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Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore

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30

Sl No	Description of Item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording									
36	Providing and removing Centering & Shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square/rectangular / polygon in plan including cost of all materials, labour complete as per specifications.								Sqm
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	School Building								
	For Column Upto Plinth								
	C1	3	1.7				1.20	6.0	6.1
	C2	3	1.7				1.25	6.2	6.4
	C3	2	1.7				1.35	4.5	4.6
	C4	2	1.4				1.40	3.8	3.9
	C5	5	0.5				1.48	3.5	3.7
	For Column ~~Upto~~ Plinth								
	C1	3	1.7				2.75	13.7	14
	C2	3	1.7				2.75	13.7	14
	C3	2	1.7				2.75	9.1	9.4
	C4	2	1.4				2.75	7.5	7.7
	C5	5	0.5				2.75	6.5	6.7
	For Column Above Slab								
	C1	3	1.7				1.20	6.0	6.2
	C2	3	1.7				1.20	6.0	6.2
	C3	2	1.7				1.20	4.0	4.1
	C4	2	1.4				1.20	3.3	3.4
	C5	5	0.5				1.20	2.8	2.9
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Community Hall								
	Upto slab	6	1.1				2.75	17.5	18.2
	Above slab	6	1.1				1.00	6.4	6.6
	Total Qty							120.30	Sqm
								124.14	

Assistant Engineer
Ward No. 08

Transight Consultants Pvt. Ltd. Bangalore CMC

Assistant Executive Engineer
Byatarayanapura Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Ward No. 06

Sl No / Date of Recording	Description of Item	No	L	B1	B2	Av B	D	Qty	Unit
	Providing and removing Centering & Shuttering, strutting, propping etc., and removal of form work for sides and& soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications								Sqm
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	School Building								
	Plinth Beams								
	PB1-PB4	6	22.8				0.45	61.4	
	PB5,PB6	4	7.2				0.45	13.0	
	PB7	6	5.1				0.45	13.8	
	MB	2	3.0				0.45	2.7	
	Beams								
	Outer Long side	2	22.8				0.60	27.3	
	Outer short side	2	7.2				0.60	8.6	
	Inner beams	4	22.3				0.45	40.1	
	Short sides	2	6.7				0.45	6.0	
	GB11	6	4.6				0.45	12.5	
	Beam bottoms	1	22.5				0.23	5.2	
		2	2.1				0.23	1.0	
	GB11	2	4.6				0.23	2.1	
	MB	2	3.0				0.23	1.4	
	For Lintel								
	long beams	4	22.8				0.20	18.2	
	Short beams	6	4.6				0.20	5.5	
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Community Hall								
	Beam centring								
	Outer beam alround	1	35.84				0.45	16.1	
	Inside	1	30.8				0.30	9.2	
	For Lintel								
	Alround	1	35.84				0.15	5.4	
	long beams	4	30.8				0.15	18.5	
	Total Qty							268.22	
							Quantity Limited to	267.52	Sqm

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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Ward No. 08

Pre-Measurement

Date of Recording

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications.								Sqm
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	School Building								
	For Chajja								
		6.0	1.8			0.6		6.5	
	Sides	6.0	3.0				0.15	2.7	
	Total Qty							9.12 9.2	
	Qty upto 125%							6.90	
	Qty above 125%							2.28	
							Quantity Limited to	8.78	Sqm

Assistant Engineer
Ward No. 08

Height Consultants P. Ltd. RMC

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

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Ward No. 08

Pre-Measurement

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording:									
	Brick Masonry: a) Providing and constructing Burnt Brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (Table moulded) with cement mortar 1:6 masonry for basement and super structure including cost of materials, labour charges, scaffolding, curing complete as per specifications.								Cum
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	School Building								
	Long wall	1.0	45.5			0.2	2.75	28.78	25.02
	Short wall	3.0	4.7			0.2	2.75	8.92	7.76
	Parapet wall								
		2.0	22.8			0.2	1.20	12.56	10.94
		3.0	4.7			0.2	1.20	3.89	3.39
	Deduction								
	For Columns								
	C1	-3.0	0.6			0.2	2.75	-1.14	-0.99
	C2	-3.0	0.6			0.2	2.75	-1.14	-0.99
	C3	-2.0	0.6			0.2	2.75	-0.76	-3.06
	C4	-2.0	0.5			0.2	2.75	-0.57	-0.55
	D	-2.0	1.2			0.2	2.10	-1.16	-1.60
	W	-11.0	1.5			0.2	1.20	-4.55	-3.96
									36.56
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Community Hall								
	Long wall	1.00	11.60			0.23	2.75	7.34	
		1.00	13.50			0.23	2.75	8.54	
	Short wall	1.00	4.00			0.23	2.75	2.53	
		1.00	4.50			0.23	2.75	2.85	
	Deduction								
	Columns	-6.00	0.23			0.30	2.75	-1.14	
	Door	-1.00	1.00			0.23	2.10	-0.48	
	W	-4.00	1.50			0.23	1.20	-1.66	
								62.80	Cum
									54.54

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Engineer
Ward No. 08

PMC

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording									
	a) Providing and constructing granite/trap/basalt Size stone masonry in foundation with cement mortar 1:6 stone hammer dressed in courses not less than 20cms high, bond stones at two mtr apart in each course including cost of materials, labour curing complete as per specifications								Cum
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	School Building								
	Ist footing								
	Long wall		3.0	23.4		0.90	0.45	28.46	28.43
	Short wall		3.0	6.0		0.90	0.45	7.33	7.29
	Deductions								
	For Columns								
	C2		-3.0	0.6		0.23	0.45	-0.19	
	C3		-2.0	0.6		0.23	0.45	-0.12	
	C4		-2.0	0.5		0.23	0.45	-0.09	0.1035
	C5		-5.0	0.1			0.45	-0.16	0.225
	2st footing								
	Long wall		3.0	23.3		0.75	0.45	23.56	23.59
	Short wall		3.0	6.2		0.75	0.45	6.26	6.28
	Deductions								
	For Columns								
	C2		-3.0	0.6		0.23	0.45	-0.19	
	C3		-2.0	0.6		0.23	0.45	-0.12	
	C4		-2.0	0.5		0.23	0.45	-0.09	0.1035
	C5		-5.0		0.1		0.45	-0.16	0.225
	3rd footing								
	Long wall		3.0	23.1		0.60	0.45	18.73	18.73
	Short wall		3.0	6.3		0.60	0.45	5.13	5.10
	Deductions								
	For Columns								
	C2		-3.0	0.6		0.23	0.45	-0.19	
	C3		-2.0	0.6		0.23	0.45	-0.12	
	C4		-2.0	0.5		0.23	0.45	-0.09	0.1035
	C5		-5.0		0.1		0.45	-0.16	0.225
								87.7815 Cum	

34

35.0315

29.47

-0.6385

23.95

Assistant Engineer
Ward No. 08

PMC
Transtech Bangalore Pvt. Ltd. Consultants

Assistant Executive Engineer
Byatarayanapura Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P.
Bangalore.

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Pre Measurement

Ward No 08

Sl No / Date of Recording	Description of item	No	L	B1	B2	Av B	D	Qty	Unit
40	Providing and constructing granite/trap/basalt size stone masonry in super structure with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two mtr apart in each course including cost of materials, labour, curing complete as per specifications								Cum
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	School Building								
	Long wall		3.0	23.0		0.45	0.45	13.95428	
	Short wall		3.0	6.5		0.45	0.45	3.939638	
	Deductions								
	For Columns								
	C2		-3.0	0.6		0.23	0.45	-0.1863	
	C3		-2.0	0.6		0.23	0.45	-0.1242	
	C4		-2.0	0.5		0.23	0.45	-0.09315	
	C5		-5.0	0.1			0.45	-0.15906	
								17.33	Cum

Assistant Engineer
Ward No 08

PMC

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.E
Bangalore.

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Pre-Measurement

ard No. 08

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	b) Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								Sqm
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Community Hall								
	Inside								
	Hall	1.00	30.30				3.00	90.90	
	Beam sides	1.00	0.83				4.00	3.32	
	Deductions								
	Door (Half 50%)	-0.50	1.00				2.15	-1.08	
	W	-2.00	1.20				1.20	-2.88	
	Total Qty							90.27	Sqm

Assistant Engineer
Ward No. 08

BMC

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Divis
Yelahanka Zone, B.B.M.P
Bangalore.

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Ward No. 08

Pre-Measurement

Sl No	Description of Item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording									
43	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.**PWD SR, 2016-17, It No 15.19, Pg No.116**								Sqm
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Community Hall								
	Out side External Wall								
		1.0	33.94				5.38	182.6	
	Deductions								
	Door (Half 50%)	-0.5	1.20				2.10	-1.3	
	W	-2.0	1.20				1.20	-2.9	
								178.5	Sqm

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Assistant Executive Engineer
Kodigenahalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Engineer
Ward No. 08

Yashwanth Consultants Pvt. Ltd. Bangalore
PMC

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigenahalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

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Ward No. 08

Pre-Measurement

Sl No	Description of Item	No	L	B1	B2	Av.B	D	Qty	Unit
Date of Recording:									
44	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to Ceiling including rounding off corners wherever required smooth rendering, Provinding and removing scaffolding, including cost of materials, labour, curing complete as per specifications.**PWD SR., 2016-17 It No.15.22, Pg No. 116**								Sqm
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Community Hall								
	For ceiling								
	Hall	1.00	11.15				4.00	44.60	
	Passage	1.00	13.43				0.90	12.09	
	Stair case	1.00	1.80				0.90	1.62	
		1.00	0.90				0.90	0.81	
	Flights bottom	1.00	3.50				0.90	3.15	
		1.00	2.40				0.90	2.2	
								64.33	Sqm

38

64.43

Assistant Engineer
Ward No. 08

Trishlight Consultants Pvt. Ltd. Bangalore

EMC

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Executive Engine
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

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Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	EIRL								
	Recording:								
E6	Providing & applying water proofing to roof slab, terraces, landscape area, podium etc., using modified polyurethane cures (conforming to ASTM C836-84) to give a tough elastomeric waterproof membrane on the surface. The surface shall be cleaned free from dust and other particle before usage. standards & methodology :								**Sqm**
	6. Improvements to Roads and drains at bhadrappa layout and balaji layout								
	Community Hall								
		1	13.4			5.20	69.84	69.68	
							69.84	69.68	**Sqm**

Assistant Engineer
Ward No. 08

PMC

Assistant Executive Engineer
Byatarayanapura Sub Division

Assistant Executive Engineer
Rodgenahalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

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Ward No. 08

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Pre-Measurement

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit
	EIRL								
	Page of Recording:								
E7	**Filling available excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications.								Cum
	7. Improvements to roads and drains in Kodigehalli colony, Maruthinagara, BB Nagar.								
	1/5th of EWA								
								74.76	
								74.76	Cum
								LTD 66.56	

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Byatarayanapura Sub Division
Velahanka Zone, B.B.M.P.,
Bangalore.

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